



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

T-Mart Marathon Station
FID# 16011, Incident# 201209500
Leaking Underground Storage Tank Program

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www.idem.IN.gov

100 N. Senate Ave., Indianapolis, IN 46204

Background:

On July 2, 2012, the Indiana Department of Environmental Management (IDEM) received a report of a release from the underground storage tank system (UST) at the T-Mart Marathon Station located at 3772 West State Road 10, Wheatfield, Indiana. The Initial Site Characterization report was prepared and submitted to IDEM on November 2, 2012. The report contains information regarding soil and ground water contamination. During review of the report by IDEM, several shallow drinking water wells were identified down gradient from the station. IDEM staff requested a Further Site Investigation including sampling of the wells on March 11, 2013. Sampling results showed several wells to be contaminated. The T-Mart Marathon owner continues to investigate the petroleum contamination and mitigate health risks pertaining to drinking water contamination and vapor intrusion (VI).

Actions Taken:

Drinking Water –Several homeowners north of the T-Mart site were advised to consume bottled water after initial drinking water sample results showed contamination on July 2, 2013. The environmental consultant collected drinking water confirmation samples. Sample results ranged between 80 micrograms per liter (µg/l) to 1,320 µg/l. Carbon filtration systems were installed at four homes during the week of July 15th. As a result, all drinking water sample requests from homeowners north of the T-Mart facility were fulfilled. In addition, the consultant sampled the Kankakee Valley High School well located up gradient of the T-Mart gas station as a precaution. No contamination was found.

Vapor Intrusion –Homes within the affected area were evaluated for the presence of basements and crawl spaces, in order to determine potential vapor intrusion (VI) risks. VI investigations were conducted at several homes and at the T-Mart facility. The VI investigation results for the homes did not confirm VI; however, the T-Mart building air samples showed benzene above the commercial indoor air screening level. Two vapor mitigation systems were installed on the north and south sides of the T-Mart building on July 23, 2013.

Public Participation - Once the home drinking water filtration units were installed, and all known risks to human health were mitigated, IDEM, the environmental consultant, and the Jasper County Health Department scheduled a public meeting to address citizen concerns. The meeting was held at the Wheatfield Town Hall on the evening of October 24, 2013.

Environmental Impacts:

The investigations show soil and ground water contamination from this release. Due to the proximity of residential properties to the gas station and the presence of very sandy soil and shallow ground water use, the drinking water wells were highly susceptible to contamination. Throughout the investigation and response, IDEM focused on investigating and identifying exposure of people through drinking water and VI testing, in order to mitigate potential health risks.

Next Steps:

Soil and ground water contamination has been delineated on and off-site. A Soil Vapor Extraction (SVE) pilot test was conducted on September 18, 2013. The owner is currently completing the Further Site Investigation Report and developing a Corrective Action Plan. Drinking water continues to be monitored at the four homes connected to water filtration units, several homes around the perimeter of the impacted area, and at the T-Mart gas station. IDEM will continue to seek input from the neighbors regarding the cleanup to ensure that their concerns are met.

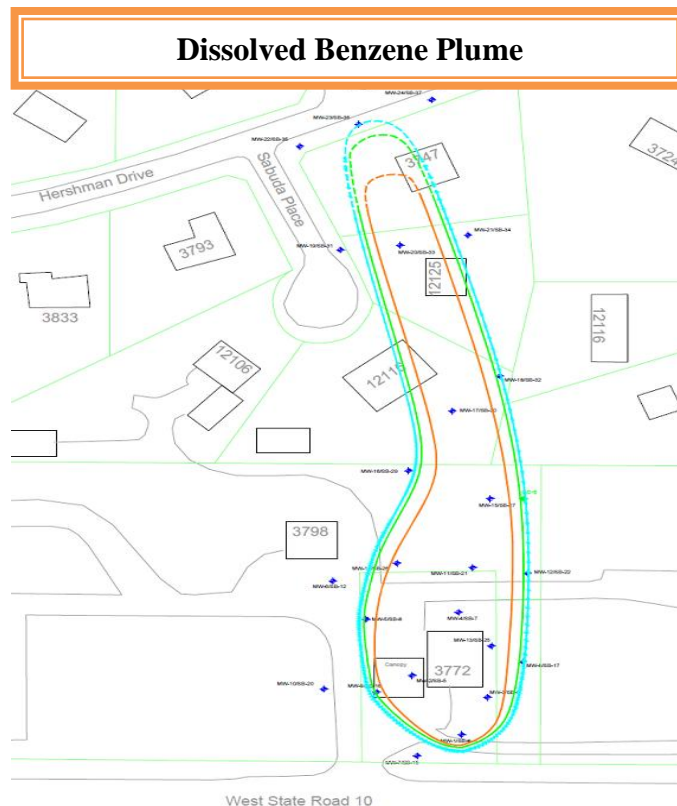
More Information:

Environmental Issues - Sampling, Gasoline Spills, and Cleanup

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IDEM Virtual File Cabinet - To view public records for this site, visit IDEM's Virtual File Cabinet at www.idem.IN.gov/6551.htm, click on Document Search, enter the index as "FID", and enter the Value "16011".

IDEM UST Branch Information - For general information and links to additional resources, visit IDEM's Underground Storage Tanks Web page at www.idem.IN.gov/4999.htm and IDEM's Leaking Underground Storage Tanks Web page at www.idem.IN.gov/4997.htm.



NOTES:

- The **blue** isocontour line indicate exceedance of the 2013 IDEM RCG residential screening level for drinking water.
- The **green** isocontour line indicates exceedance of the 2013 IDEM RCG residential screening level for vapor intrusion.
- The **orange** isocontour line indicate exceedance of 2013 IDEM RCG commercial/industrial screening level for vapor intrusion.

◆ Monitoring Well Location

◆ Groundwater Grab Sample Location

